

ARPIT JAIN

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EDUCATION:

- **[February 2009 to Present] Indian Institute of Technology, Kharagpur, India**
Project Researcher under the Guidance of Prof. Pabitra Mitra, Dept. of CSE.
- **[July 2003 to May 2008] Indian Institute of Technology, Kharagpur, India**
B.Tech/M.tech Dual Degree from Department of Computer Science & Engineering.
GPA: 8.35/10

SKILLS:

- C, Java, Ruby, Ruby on Rails, Perl, Python, PHP, SQL, JavaScript, HTML, XML, CSS, Ajax, Json

RESEARCH EXPERIENCE:

- **Intinno Technologies – Senior Developer(December 2008 to Present)**
Developing an intuitive Learning Management System called Intinno Paathshaala(<http://intinno.com>).
Intinno Paathshaala, is being used in more than 400 courses at IIT Kharagpur.
- **IIT Kharagpur – M.Tech. Project (May 2007 to May 2008)**
Project Title : “Vertical Search Engine for Academic Domain”
Supervisors : [Prof. Pabitra Mitra](#)
Developed a **Vertical Search Engine** for Educational Domain which would enable building of a resource library for use by an e-learning system. It involved development of a simple and intuitive e-learning web service (RoR) and then combining it with a state-of-the-art search and recommendation engine.
- **Veveo India Private Limited – Summer Internship (June 2007 to July 2007)**
Project Title : “Customizing Web for Handheld Devices”
Supervisors : [Prof. Pabitra Mitra](#), Mr. Rakesh Barve, Mr. Vineet Agrawal
Worked on customizing Web Pages for Handheld devices like cellular phones, PDAs etc. Developed one search/rank engine which used to rank the sections of the web page based on the keyword and some other heuristics. Users are then presented with the ranked sections in that order on the device so as to enhance the browsing experience.
- **IIT Kharagpur – B.Tech. Project (July 2006 to April 2007)**
Project Title: “Wrapper Induction Using Structural Similarity in HTML pages.”
Supervisor: [Prof. Pabitra Mitra](#), Dept. of CSE., IIT Kharagpur
The work involved the deduction of a new Structural Similarity measure to be used as a basis for clustering HTML and XML pages. The clustered pages are then put through Wrapper Induction algorithm after Active Learning to generate required Clusters. This is a **Yahoo sponsored** project.

- **University of Nebraska, Omaha– Summer Internship (May 2006 to July 2006)**

Project Title: “[Debugger/Tracer for High Assurance Transformation Systems \(HATS\)](#)”

Supervisors: [Dr. Victor Winter](#), Computer Science Department, UNO

HATS is an Integrated Development Environment for strategic programming. Our group designed a Debugger/Tracer for HATS. More details about the project are available on HATS [site](#).

PUBLICATIONS:

- V. L. Winter, C. Scalzo, A. Jain, B. Kucera, and A. Mametjanov. Comprehension of generative techniques. In *Software Transformation Systems Workshop (STS)*, 2006. [[Abstract](#)] [[pdf](#)]

PROJECTS:

- Developed the gallery plugin for [IkiWiki](#), a Desktop wiki engine as a part of Google Summer of Code, 2007.
- Designed and implemented a **4-bit CPU** at the register level, under the guidance of [Prof. Dipankar Sarkar](#) [Feb – Apr 2005].
- Developed a **Compiler** for a subset of the C-language, under the guidance of [Prof. Niloy Ganguly](#) [Aug – Dec 2005].
- Developed a **Memory Management Unit** as well as implementation of semaphores for a basic OS. [Aug – Dec 2005].
- Developed a **Heterogeneous Database System** which can access tables from different databases located at different places given only one query.
- Implemented a **Ranking Scheme for product reviews** written by customers for various products. It ranks the reviews capturing their semantic information of the review and then ranking the ones with significant opinions higher than the less significant ones.
- Proposed a new scheme which when given a set of opinion scores, *characterizes the number of Significant Opinions in the group as a fuzzy function*, thus giving an idea as to how many significant opinions are present in the given opinion set.

ACADEMIC ACHIEVEMENTS:

- Secured an All India Rank of **20th** in *screening* and **582** in *mains* out of more than 180,000 examinees in the IIT-JEE examination 2003.
- Secured an All India Rank of **2nd** out of more than 100,000 examinees in the Karnataka Common Entrance Test (KCET) 2003.
- Secured an All India Rank of **190th** out of more than 250,000 examinees in the All India Engineering Entrance Examination (AIEEE) 2003.
- Secured **4th** position in **Overnite-2006**, an algorithm intensive programming Competition organized in and by IIT Kharagpur, in which more than 300 teams from India participated.
- My team secured **1st** position in inter-hostel **Product Design Competition** held as a part of Technology General Championship, IIT Kharagpur. We designed a **Question-Answering System** which used to scan given documents and answer questions asked from those documents in a reliable and accurate manner.
- Web Team Head of [Bitwise 2007](#), an online algorithm Intensive Programming Competition organized by Department of Computer Science, IIT Kharagpur.